

Title (en)  
SPRAYER

Title (de)  
SPRÜHVORRICHTUNG

Title (fr)  
PULVÉRISATEUR

Publication  
**EP 2796204 A4 20151223 (EN)**

Application  
**EP 12858866 A 20121120**

Priority  
• KR 20110137845 A 20111220  
• KR 2012009840 W 20121120

Abstract (en)  
[origin: US2014224899A1] The present invention relates to a sprayer. The sprayer according to the present invention comprises: a vessel main body where an air intake port and a mist discharge port are formed; a spray nozzle which has an air inlet and a liquid inlet, and which is disposed inside the vessel main body; and an atomization member which collides with or diverts mist sprayed through the spray nozzle. The present invention is capable of effectively atomizing a disinfectant, pesticide, or an environment improving agent such as an air freshener or a deodorant agent in a fine particle state, and is thus economically feasible and environmentally friendly since the possibility of pollution can be reduced.

IPC 8 full level  
**B05B 1/02** (2006.01); **A61L 9/14** (2006.01); **B05B 1/12** (2006.01)

CPC (source: EP KR US)  
**A61L 9/14** (2013.01 - KR); **B05B 1/02** (2013.01 - KR); **B05B 1/12** (2013.01 - KR); **B05B 7/0012** (2013.01 - EP US); **B05B 7/0416** (2013.01 - US); **A61L 2/22** (2013.01 - EP US); **A61L 9/14** (2013.01 - EP US); **B05B 7/0807** (2013.01 - EP US)

Citation (search report)  
• [X] US 2826454 A 19580311 - HEURI COANDA  
• [X] US 2906463 A 19590929 - CURRY HAROLD E  
• [X] JP 2006055048 A 20060302 - SEIKO EPSON CORP  
• [X] EP 0261649 A2 19880330 - OMRON TATEISI ELECTRONICS CO [JP]  
• [X] JP S6380866 A 19880411 - OMRON TATEISI ELECTRONICS CO, et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2014224899 A1 20140814**; EP 2796204 A1 20141029; EP 2796204 A4 20151223; KR 101320971 B1 20131022;  
KR 20130070704 A 20130628; WO 2013094884 A1 20130627

DOCDB simple family (application)  
**US 201214342276 A 20121120**; EP 12858866 A 20121120; KR 20110137845 A 20111220; KR 2012009840 W 20121120